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# United States Patent [19]

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- [54] **ORGANIC LIGHT EMITTING DEVICE CONTAINING A HOLE INJECTION ENHANCEMENT LAYER**
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[58] Field of Search ..... 257/40, 94, 96, 257/103; 313/503, 504, 506

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[57] **ABSTRACT**

The present invention is directed to organic light emitting devices comprised of a heterostructure for producing electroluminescence, wherein the heterostructure includes a hole injection enhancement layer between a hole transporting layer and an indium tin oxide anode layer. The hole injection enhancement layer may be comprised of 3,4,9,10-perylenetetracarboxylic dianhydride (PTCDA), bis(1,2,5-thiadiazolo)-p-quinobis(1,3-dithiole) (BTQBT), or other suitable, rigid organic materials. The present invention is further directed to methods of fabricating such devices.

**17 Claims, 5 Drawing Sheets**

